

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	((("4739514") or ("5204909") or ("20030026441") or ("4123711") or ("6798197") or ("4947133") or ("4055818") or ("5255324") or ("5481617") or ("5509080") or ("6134330") or ("20010036285"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/11/12 15:19
S2	610	(381/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/08 17:55
S3	1	korner.in. and harmonic and splitter and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:34
S4	5	((("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S5	1	("5923766").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/08 18:02
S6	973	(381/98).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S7	43	381/98-109.ccls. and harmonic same filter same amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:09
S8	1	("20010034252").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/12 15:42
S9	35	381/98-109.ccls. and harmonic and filter and amplifier and (phone ringer ring polyphonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:37
S10	594	harmonic same (phone ringer ring polyphonic) same filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:45

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S11	0	harmonic same (polyphonic near2 ring\$2) same filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:46
S12	1	harmonic same (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:46
S13	11	harmonic and (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:02
S14	0	(polyphonic near2 ring\$2) same (bandwidth near2 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:48
S15	43	(ring\$2 ringer) same phone same harmonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:59
S16	0	(ring\$2 ringer) same phone same harmonic same (bandwidth near2 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:49
S17	3	"455"/\$.ccls. and harmonic same (bandwidth near3 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 15:59
S18	3	"455"/\$.ccls. and (harmonic harmonics) same (bandwidth near3 expan\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:01
S19	198	"455"/\$.ccls. and (harmonic harmonics) same (speech ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:05
S20	3	"455"/\$.ccls. and (add\$3 near4 (harmonic harmonics)) same (speech ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:05

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S21	52	381/61,98-109.ccls. and harmonic same filter same amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:49
S22	610	(381/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:49
S23	145	S22 and (ring ringer phone speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:50
S24	40	S22 and (ring ringer phone speech) and (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 16:50
S25	11	harmonic and (polyphonic near2 ring\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:03
S26	107029	((polyphonic near2 ring\$2) speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:03
S27	3	((polyphonic near2 ring\$2) same speech)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:20
S28	5	(polyphonic near2 ring\$2) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:09
S29	7	(polyphonic near2 ringer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:22
S30	120	(polyphonic near2 sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:22

## EAST Search History

S31	4	(polyphonic near2 sound) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:28
S32	14	(polyphonic near2 music) same (harmonic harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:31
S33	226	(polyphonic near2 tone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:31
S34	16	(polyphonic near2 ring near2 tone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:51
S35	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:51
S36	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/12 17:52
S37	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52
S38	0	("EP-994464-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52
S39	0	("EP-1161076-\$.did.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 17:52

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S40	0	("EP-161076-\$.did. ").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 18:18
S41	4	((("4700390") or ("5581652"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/12 18:18
S42	1	korner.in. and harmonic and splitter and audio and (out-of-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:01
S43	4	381/98-109.ccls. and (out near2 band near2 (harmonics harmonic)) and filter and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:59
S44	83	(out near2 band near2 (harmonics harmonic)) and filter and amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:41
S45	35	(out near2 band near2 (harmonics harmonic)) and filter and amplifier and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:47
S46	637	(381/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S47	238	(381/101).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:42
S48	41	(out near2 band near2 (harmonics harmonic)) and amplifier and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:48

## EAST Search History

S49	28	(creat\$3 produc\$3) with (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:53
S50	1	((increas\$3 elongat\$4 stretch\$3) with bandwidth) same (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:54
S51	1	((increas\$3 elongat\$4 stretch\$3) with (bandwidth(data near2 transmission near2 rate))) same (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:55
S52	32	((increas\$3 elongat\$4 stretch\$3) with (bandwidth(data near2 transmission near2 rate))) and (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:56
S53	20	((increas\$3 elongat\$4 stretch\$3) near4 (bandwidth(data near2 transmission near2 rate))) and (out near2 band near2 (harmonics harmonic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 14:56
S54	1	381/61,98-109.ccls. and filter near3 separa\$3 near3 upper near3 (passband (pass adj2 band))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:51
S55	0	korner.in. and harmonic and splitter and audio and (out-of-band) and (upper same passband)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S56	0	korner.in. and harmonic and splitter and audio and (out-of-band) and (upper same pass-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S57	1	korner.in. and harmonic and splitter and audio and (out-of-band) and (upper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/03 15:02
S58	5	((("20040022400") or ("6215879") or ("6023513") or ("3828133") or ("20010034252")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S59	0	S58 and (harmonic harmonics) and (out near2 band)	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06

## EAST Search History

S60	5	S58 and (harmonic harmonics)	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:06
S61	1	381/61,98-109.ccls. and generat\$3 with (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:52
S62	23	generat\$3 with (out-of-band with harmonics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:52
S63	4	(generat\$3 produc\$3 creat\$3) adj3 out-of-band adj3 harmonics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/05/11 09:53